

## ABSTRACT

A stochastic pulse generator (1) of this invention includes a variable signal generator (61) operative to generate a variable signal ( $V_C$ ) which varies randomly, and a comparator (3) operative to output a binary signal ( $V_{out}$ ) of High or Low depending on which of one input signal and another input signal is larger or smaller than the other, wherein when the variable signal ( $V_C$ ) is inputted, as the one input signal, to the comparator (3) from the variable signal generator (61), the comparator (3) stochastically outputs pulses, the number of which corresponds to a magnitude of the another input signal.